| # | Query | Databases | Date |
|---|---|---|---|
| 4 | 3433142.URPN. | USPAT | 7/31/04 12: |
| | ("3183776" \| "3433142" \| "3571588" \| "4018527" \| "4199247" \| "4257086" \| "4435075" \| "4893225" \| "5072249" \| "5073847" \| "5207494" | | |
| 12 | \| "5323301").PN. | USPAT | 7/31/04 12: |
| 4 | 5072249.URPN. | USPAT | 7/31/04 11: |
| | ((iris or diaphragm or shutter or aperture) same pin$2 same light) and | | |
| 484 | (base with (slot or groove)) | USPAT; US-PGPUB; IBM_TDB | 7/31/04 11: |
| | (((359/739,894,227,234) or (396/452,505,493,510,462,463,474,487,488)).CCLS.) and (((iris or diaphragm or shutter or aperture) same pin$2 same light) and (base | | |
| 35 | with (slot or groove))) | USPAT; US-PGPUB; IBM_TDB | 7/31/04 11: |
| | ((iris or diaphragm or shutter or aperture) same pin$2 same light) same | | |
| 1079 | (slot or groove) | USPAT; US-PGPUB; IBM_TDB | 7/31/04 11: |
| 2249 | (iris or diaphragm or shutter) same pin$2 same light | USPAT; US-PGPUB; IBM_TDB | 7/31/04 11: |
| | (((iris or diaphragm or shutter) same pin$2 same light) same control) | | |
| 204 | same (slot or groove) | USPAT; US-PGPUB; IBM_TDB | 7/31/04 11: |
| 4968 | (iris or diaphragm or shutter or aperture) same pin$2 same light | USPAT; US-PGPUB; IBM_TDB | 7/31/04 11: |
| 5 | ("3668995" \| "3727531" \| "4975725" \| "5225936" \| "5250971").PN. | USPAT | 7/31/04 11: |
| | (((iris or diaphragm or shutter) same pin$2 same light) same control) and (((359/739,894,227,234) or | | |
| 51 | (396/452,505,493,510,462,463,474,487,488)).CCLS.) | USPAT; US-PGPUB; IBM_TDB | 7/31/04 11: |
| | ((((iris or diaphragm or shutter) same pin$2 same light) same control) same (slot or groove)) and (((359/739,894,227,234) or | | |
| 22 | (396/452,505,493,510,462,463,474,487,488)).CCLS.) | USPAT; US-PGPUB; IBM_TDB | 7/31/04 11: |
| | ((iris or diaphragm or shutter) same pin$2 same light) and (((359/739,894,227,234) or | | |
| 174 | (396/452,505,493,510,462,463,474,487,488)).CCLS.) | USPAT; US-PGPUB; IBM_TDB | 7/31/04 11: |
| 650 | ((iris or diaphragm or shutter) same pin$2 same light) same control | USPAT; US-PGPUB; IBM_TDB | 7/31/04 11: |
| | ((359/739,894,227) or | | |
| 2222 | (396/452,505,493,510,462,463,474,487,488)).CCLS. | USPAT; US-PGPUB; IBM_TDB | 7/31/04 11: |
| | ((359/739,894,227,234) or | | |
| 2377 | (396/452,505,493,510,462,463,474,487,488)).CCLS. | USPAT; US-PGPUB; IBM_TDB | 7/31/04 11: |
| | ((((iris or diaphragm or shutter) same pin$2 same light) and (((359/739,894,227,234) or | | |
| 135 | (396/452,505,493,510,462,463,474,487,488)).CCLS.)) and control | USPAT; US-PGPUB; IBM_TDB | 7/31/04 11: |
| 4 | 2830617.URPN. | USPAT | 7/31/04 11: |
| | ("2508615" \| "2557213" \| "2608278" \| "2649272" \| "2830617" \| | | |
| 10 | "2934892" \| "3181451" \| "3706290" \| "4094492" \| "4095514").PN. | USPAT | 7/31/04 11: |
| 13 | 4094492.URPN. | USPAT | 7/31/04 11: |
| 6 | 4232595.URPN. | USPAT | 7/31/04 11: |
| | ((359/234).CCLS.) and (iris or diphragm or shutter) and (manual same | | |
| 3 | automatic) | USPAT; US-PGPUB; IBM_TDB | 7/31/04 11: |
| 303 | iris with valve | USPAT; US-PGPUB; IBM_TDB | 7/31/04 11: |
| 29 | iris with shutter with valve | USPAT; US-PGPUB; IBM_TDB | 7/31/04 11: |
| | ((359/234).CCLS.) and (iris or diphragm or shutter) and (manual and | | |
| 3 | automatic) | USPAT; US-PGPUB; IBM_TDB | 7/31/04 10: |
| 28 | ((359/234).CCLS.) and (iris or diphragm or shutter) and motor | USPAT; US-PGPUB; IBM_TDB | 7/31/04 10: |
| 4 | ("3654845" \| "3687042" \| "4100558" \| "4113359").PN. | USPAT | 7/31/04 10: |
| 192 | (359/234).CCLS. | USPAT; US-PGPUB; IBM_TDB | 7/31/04 10: |
| 9 | (punch or pierce) with curl with fasten$5 | USPAT; US-PGPUB; IBM_TDB | 7/31/04 10: |
| 32 | pierce with curl | USPAT; US-PGPUB; IBM_TDB | 7/31/04 10: |
| 61 | ((359/234).CCL .) nd (f sten$5 r tt ch$5 r rivet$5 r gr mmet$5) | A ;  - G  ; I M_ | 7/31/04 10: |

| # | Query | Databases | Date/Time |
|---|-------|-----------|-----------|
| | ("2821764" \| "3551956" \| "4306511" \| "4611381" \| "4860425" \| | | |
| 9 | "4956139" \| "4965933" \| "5359761" \| "5448824").PN. | USPAT | 7/31/04 10: |
| 1 | 2553622.URPN. | USPAT | 7/31/04 10: |
| 5 | 2439330.URPN. | USPAT | 7/31/04 10: |
| 2 | 5803571.URPN. | USPAT | 7/31/04 10: |
| | ("2195166" \| "2439330" \| "2465578" \| "3049615" \| "4210955" \| | | |
| 7 | "4890208" \| "5345371").PN. | USPAT | 7/31/04 10: |
| 2 | 2195166.URPN. | USPAT | 7/31/04 10: |
| 0 | 1288555.URPN. | USPAT | 7/31/04 10: |
| 2 | 1503800.URPN. | USPAT | 7/31/04 10: |
| 0 | D315743.URPN. | USPAT | 7/31/04 10: |
| 9 | brass with fastener with legs | USPAT; US-PGPUB; IBM_TDB | 7/31/04 10: |
| 0 | 1139444.URPN. | USPAT | 7/31/04 10: |
| 0 | 5541694.URPN. | USPAT | 7/31/04 10: |
| 4 | ("4956139" \| "4962202" \| "4965617" \| "5025278").PN. | USPAT | 7/31/04 10: |
| 2 | ("4009946" \| "4956139").PN. | USPAT | 7/31/04 10: |
| 0 | 5731016.URPN. | USPAT | 7/31/04 10: |
| 7 | 4956139.URPN. | USPAT | 7/31/04 10: |
| | ("2688581" \| "3077658" \| "3366512" \| "3890679" \| "3952402" \| | | |
| 8 | "4135297" \| "4202091" \| "4230659").PN. | USPAT | 7/31/04 10: |
| 0 | 6375155.URPN. | USPAT | 7/31/04 9: |
| | ("1999699" \| "2649272" \| "3101736" \| "4094492" \| "4095514" \| | | |
| 10 | "4513948" \| "5549086" \| "5802716" \| "5975493" \| "5993978").PN. | USPAT | 7/31/04 9: |
| 11 | 2649272.URPN. | USPAT | 7/31/04 9: |
| | ("2508615" \| "2557213" \| "2608278" \| "2649272" \| "2830617" \| | | |
| 10 | "2934892" \| "3181451" \| "3706290" \| "4094492" \| "4095514").PN. | USPAT | 7/31/04 9: |
| 37 | (bendable with fastener) same (rotat$5 or pivot$5) | USPAT; US-PGPUB; IBM_TDB | 7/31/04 9: |
| 371 | bendable with fastener | USPAT; US-PGPUB; IBM_TDB | 7/31/04 9: |
| 5 | 3762266.URPN. | USPAT | 7/31/04 9: |
| | ("3685391" \| "2399773" \| "2765227" \| "3326678" \| "3665073" \| | | |
| 6 | "2393564").PN. | USPAT | 7/31/04 9: |
| 167 | (fasten$5 with (fold or bend)) with (pivot or rotate) | USPAT; US-PGPUB; IBM_TDB | 7/31/04 7: |
| 2073 | (fasten$5 with (fold or bend)) and (pivot or rotate) | USPAT; US-PGPUB; IBM_TDB | 7/31/04 7: |
| 337 | (fasten$5 with (fold or bend)) same (pivot or rotate) | USPAT; US-PGPUB; IBM_TDB | 7/31/04 7: |
| 73 | fasten$5 same (integral with grommet) | USPAT; US-PGPUB; IBM_TDB | 7/31/04 7: |
| 6623 | fasten$5 with (fold or bend) | USPAT; US-PGPUB; IBM_TDB | 7/31/04 7: |
| 24 | fastener same punch same fold | USPAT; US-PGPUB; IBM_TDB | 7/31/04 7: |
| 758 | (359/739,894).CCLS. | USPAT; US-PGPUB; IBM_TDB | 7/31/04 7: |
| 62 | ((359/739,227).CCLS.) and (blade or leaf) | USPAT; US-PGPUB; IBM_TDB | 7/30/04 17: |
| 192 | iris same fasten$5 | USPAT; US-PGPUB; IBM_TDB | 7/30/04 17: |
| | (((359/739,894,227) or | | |
| | (396/452,505,493,510,462,463,474,487,488)).CCLS.) and (iris same | | |
| 5 | fasten$5) | USPAT; US-PGPUB; IBM_TDB | 7/30/04 17: |
| | ("2393408" \| "3744393" \| "4444489" \| "4470687" \| "4610524" \| | | |
| 9 | "4778255" \| "4961087" \| "5038168" \| "5325142").PN. | USPAT | 7/30/04 17: |
| 1 | 4610524.URPN. | USPAT | 7/30/04 17: |
| 553 | (359/739,227).CCLS. | USPAT; US-PGPUB; IBM_TDB | 7/30/04 17: |
| 32 | (punch or stamp) same push same fold | USPAT; US-PGPUB; IBM_TDB | 7/30/04 17: |
| 11580 | mechanical adj fastener | USPAT; US-PGPUB; IBM_TDB | 7/30/04 17: |
| 266 | (mechanical adj fastener) same pivot | USPAT; US-PGPUB; IBM_TDB | 7/30/04 17: |
| 40 | ((mechanical adj fastener) same pivot) and leaf | USPAT; US-PGPUB; IBM_TDB | 7/30/04 17: |
| 1 | (iris with (leaf or leaves)) same fasten$5 | USPAT; US-PGPUB; IBM_TDB | 7/30/04 17: |
| 36241 | (iris or diaphragm or aperture ) with fasten$5 | USPAT; US-PGPUB; IBM_TDB | 7/30/04 17: |
| 0 | (iris with (leaf or leaves)) with fasten$5 | USPAT; US-PGPUB; IBM_TDB | 7/30/04 17: |
| 6 | 4232595.URPN. | USPAT | 7/30/04 17: |
| 391 | iris with (leaf or leaves) | USPAT; US-PGPUB; IBM_TDB | 7/30/04 17: |
| 95 | (iris with (le f  r le ves))  nd pin | A ;   - G    ;I M_ | 7/30/04 17: |

| | | | |
|---|---|---|---|
| 26 | (iris with (leaf or leaves)) with pin | USPAT; US-PGPUB; IBM_TDB | 7/30/04 17: |
| 13 | (((iris or diaphragm or aperture ) same ((leaf or blade) with (pivot$3 or rotat$3))) same light) same fasten$5 | USPAT; US-PGPUB; IBM_TDB | 7/30/04 17: |
| 83160 | (iris or diaphragm or aperture ) same light | USPAT; US-PGPUB; IBM_TDB | 7/30/04 17: |
| 863 | ((iris or diaphragm or aperture ) same ((leaf or blade) with (pivot$3 or rotat$3))) same light | USPAT; US-PGPUB; IBM_TDB | 7/30/04 17: |
| 19 | grommet.ti. and (grommet with pivot) | USPAT; US-PGPUB; IBM_TDB | 7/30/04 17: |
| 1 | grommet.in. | USPAT; US-PGPUB; IBM_TDB | 7/30/04 16: |
| 660 | grommet.ti. | USPAT; US-PGPUB; IBM_TDB | 7/30/04 16: |
| 260 | grommet with pivot | USPAT; US-PGPUB; IBM_TDB | 7/30/04 16: |
| 5 | 3762266.URPN. | USPAT | 7/30/04 16: |
| 14 | ("2030167" | "2030171" | "2038189" | "2511920" | "2572246" | "2842022" | "3426641" | "3461771" | "3747467" | "3848389" | "3995406" | "4046053" | "4126076" | "4767248").PN. | USPAT | 7/30/04 16: |
| 13 | 3848389.URPN. | USPAT | 7/30/04 16: |
| 12 | ("0980420" | "1947906" | "2080220" | "2994933" | "3740839" | "3762266" | "3848389" | "4485816" | "4512699" | "4754538" | "4841100" | "4985979").PN. | USPAT | 7/30/04 16: |
| 17 | 4512699.URPN. | USPAT | 7/30/04 16: |
| 2 | (hollow with pin with rivet).ti. | USPAT; US-PGPUB; IBM_TDB | 7/30/04 16: |
| 5 | 3030850.URPN. | USPAT | 7/30/04 16: |
| 0 | (hollow with pin with rivet).in. | USPAT; US-PGPUB; IBM_TDB | 7/30/04 16: |
| 20 | (hollow with pin with rivet) same pivot | USPAT; US-PGPUB; IBM_TDB | 7/30/04 16: |
| 16 | iris same rivet | USPAT; US-PGPUB; IBM_TDB | 7/30/04 16: |
| 221 | hollow with pin with rivet | USPAT; US-PGPUB; IBM_TDB | 7/30/04 16: |
| 2 | 3836234.URPN. | USPAT | 7/30/04 16: |
| 20 | rivet with fold with hole | USPAT; US-PGPUB; IBM_TDB | 7/30/04 15: |
| 1367 | rivet with fasten | USPAT; US-PGPUB; IBM_TDB | 7/30/04 15: |
| 260 | rivet with fold | USPAT; US-PGPUB; IBM_TDB | 7/30/04 15: |
| 0 | ((359/227).CCLS.) same rivet | USPAT; US-PGPUB; IBM_TDB | 7/30/04 15: |
| 3 | ((359/227).CCLS.) and rivet | USPAT; US-PGPUB; IBM_TDB | 7/30/04 15: |
| 237 | (rivet with fasten) with hole | USPAT; US-PGPUB; IBM_TDB | 7/30/04 15: |
| 0 | ((rivet with fasten) with hole) with fold | USPAT; US-PGPUB; IBM_TDB | 7/30/04 15: |
| 4 | (((359/739,894,227) or (396/452,505,493,510,462,463,474,487,488)).CCLS.) and ((leaf or blade) with (pivot$3 or rotat$3) with joint) | USPAT; US-PGPUB; IBM_TDB | 7/30/04 15: |
| 251 | (359/227).CCLS. | USPAT; US-PGPUB; IBM_TDB | 7/30/04 15: |
| 3 | 3727531.URPN. | USPAT | 7/30/04 15: |
| 3 | 5394212.URPN. | USPAT | 7/30/04 15: |
| 1 | 4610524.URPN. | USPAT | 7/30/04 15: |
| 3 | 3727531.URPN. | USPAT | 7/30/04 15: |
| 2 | ("3348463" | "3727531").PN. | USPAT | 7/30/04 15: |
| 2 | ("4009946" | "4956139").PN. | USPAT | 7/30/04 15: |
| 8 | 4009946.URPN. | USPAT | 7/30/04 15: |
| 2 | ("4009946" | "4956139").PN. | USPAT | 7/30/04 15: |
| 0 | 5731016.URPN. | USPAT | 7/30/04 15: |
| 0 | 5541694.URPN. | USPAT | 7/30/04 15: |
| 4 | ("4956139" | "4962202" | "4965617" | "5025278").PN. | USPAT | 7/30/04 15: |
| 7 | 4956139.URPN. | USPAT | 7/30/04 15: |
| 102270 | (leaf or blade) with (pivot$3 or rotat$3) | USPAT; US-PGPUB; IBM_TDB | 7/30/04 15: |
| 1434 | (leaf or blade) with (pivot$3 or rotat$3) with joint | USPAT; US-PGPUB; IBM_TDB | 7/30/04 15: |
| 14 | ((((359/739,894,227) or (396/452,505,493,510,462,463,474,487,488)).CCLS.) and ((iris or diaphragm or aperture ) same ((leaf or blade) with (pivot$3 or rotat$3)))) and joint | USPAT; US-PGPUB; IBM_TDB | 7/30/04 15: |
| 3 | burst with hole with joint | USPAT; US-PGPUB; IBM_TDB | 7/30/04 15: |
| 5 | ("2481660" | "3456351" | "4774537" | "4897681" | "5099334"). N. | A | 7/30/04 15: |

| | | | |
|---|---|---|---|
| 7207 | (iris or diaphragm or aperture ) same ((leaf or blade) with (pivot$3 or rotat$3)) | USPAT; US-PGPUB; IBM_TDB | 7/30/04 15: |
| 340 | (((359/739,894,227) or (396/452,505,493,510,462,463,474,487,488)).CCLS.) and ((iris or diaphragm or aperture ) same ((leaf or blade) with (pivot$3 or rotat$3))) | USPAT; US-PGPUB; IBM_TDB | 7/30/04 15: |
| 572322 | iris or diaphragm or aperture | USPAT; US-PGPUB; IBM_TDB | 7/30/04 15: |